



Intersection Sight Distance Measurement Standards for On-Site Review of Approaches

Intersection Sight Distance Standards

The following standards shall be utilized in the performance of the on-site review as required by 734-051-0100 (6) (a) (A) in reviewing proposed approaches:

Driver's Eye Height: 3.5 feet
Object Height: 3.5 feet
Position of Driver's Eye on the Approach: 15 feet (measured from edge of traveled way)
Measurement Standards: AASHTO's 2001 Policy on Geometric Design of Highways and Streets 7.5 second gap standard shall be utilized, which results in the following values for intersection sight distance:

<u><i>Posted Speed (mph)</i></u>	<u><i>Approximate Design Speed (mph)</i></u>	<u><i>Intersection Sight Distance (feet)¹</i></u>
20	25	280
25	30	335
30	35	390
35	40	445
40	45	500
45	55	610
50	65	720
55	70	775
60	70	775
65	70	775

NOTES: The following would be variables that would be examined on a case by case basis and may be varied by the RAMEs or an engineer registered in the state of Oregon:

- 1) Distance to the front of a stopped vehicle. There will be situations where it will be appropriate to vary this distance.
- 2) The speed measure utilized to determine the required sight distance may be varied based upon an engineering study. The object height may be varied in those situations as determined appropriate.

¹ Revised Sight Distances implemented in CHAMPS Release 9/12/03